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ERRATA.

SECTION A.—PHYSICS.

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Abstract Nos. 618, 646, 718, 729, 754, 772, 813, 814, 815 ; *for* Feb. 15, *read* Feb. 21.
Abstract No. 670, line 5 ; *for* I, *read ø*.
Abstract No. 672, line 3 ; *for* light, *read* bright.
Abstract No. 1106, line 2 ; *for* Proc., *read* Reports.
Abstract No. 1636, line 1 ; *for* mixed solvents on, *read* mixed solvents. Ion.
Abstract No. 2313, line 1 ; *for* I. Schewe, *read* J. Schewe.
Abstract No. 2656, line 6 ; *for* anastigmatism, *read* astigmatism.
Abstract No. 2860, line 2 ; *for* " light compress ", *read* " light compasses ".

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V.
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No. A9048

LIST OF JOURNALS.

**Denotes a Journal from which only articles on Physics are indexed.*

Abbreviations.	Full Title and Address.
Acad. Polonaise Sci. et Lettres, Bull.	Bulletin International de l'Académie Polonaise des Sciences et des Lettres. 17 Rue Slawkowska, Cracovie, Poland.
*Accad. d'Italia, Mem.	Reale Accademia d'Italia. Memorie della classe di scienze fisiche, matematiche e naturali. Rome.
*Accad. Lincei, Atti	Atti della Reale Accademia Nazionale dei Lincei. Dott. Giovanni Bardi, Piazza Madama 19-20, Rome (111).
Accad. Sci. Torino, Atti	Atti della Reale Accademia delle Scienze di Torino. 3 Via Maria Vittoria, Torino (101) Italy.
*Acoustical Soc. of America, J.	Journal of the Acoustical Society of America. The American Institute of Physics, 175 Fifth Avenue, New York.
Acta Physica Polonica	Acta Physica Polonica. ul. Nowogrodzka 22, Wilno, Poland.
Acta Physicochimica	Acta Physicochimica. Mejdounarodnaia Kniga 18, Kouznetzki Most, Moscow, U.S.S.R.
Akad. Wiss. Wien, Ber.	Sitzungsberichte der Akademie der Wissenschaften in Wien. Mathematisch-naturwissenschaftliche Klasse. Universitätsplatz 2, Vienna I.
*Am. Acad., Proc.	Proceedings of the American Academy of Arts and Sciences. 28 Newbury Street, Boston, Mass., U.S.A.
*Am. Chem. Soc., J.	Journal of the American Chemical Society. Charles L. Parsons, Mills Building, Washington, D.C., U.S.A.
Am. Geophys. Union, Trans.	Transactions of the American Geophysical Union. National Research Council, Constitution Avenue and 21st Street, Washington, D.C., U.S.A.
*Am. J. of Roentgenology and Radium Therapy	The American Journal of Roentgenology and Radium Therapy. Charles C. Thomas, 220, East Monroe Street, Springfield, Illinois, U.S.A.
Am. J. Phys. (*formerly* Am. Phys. Teacher)	The American Journal of Physics. The American Institute of Physics, 175 Fifth Avenue, New York.
Am. J. Sci.	American Journal of Science. New Haven, Connecticut, U.S.A.
Am. Phil. Soc., Proc.	Proceedings of the American Philosophical Society. 104 South Fifth Street, Philadelphia, Pa., U.S.A.
Ann. d. Physik	Annalen der Physik. J. A. Barth, Salomonstrasse 18b, Leipzig, C.1, Germany.
Ann. de Physique	Annales de Physique. Masson et Cie, Libraires de l'Académie de Médecine, 120 Boulevard Saint-Germain, Paris (6e).
*Ann. N.Y. Acad. Sci.	Annals of the New York Academy of Sciences. Central Park West at 79th Street, New York, U.S.A.
*Ann. Soc. Sci. de Bruxelles	Annales de la Société Scientifique de Bruxelles. 11, rue des Récollets, Louvain, Belgium.
*Arch. des Sciences	Archives des Sciences Physiques et Naturelles. Institut de Physique de l'Université, Geneva, Switzerland.

Abbreviations.	Full Title and Address.
*Arch. f. Elektrot.	Archiv für Elektrotechnik. J. Springer, Linkstrasse 22-24, Berlin, W.9.
*Arkiv f. Kem. Min. och Geologie, Stockholm	Arkiv för Kemi, Mineralogi och Geologie. Almqvist och Wiksells Boktryckeri-A.B., Stockholm; and H. K. Lewis & Co., Ltd., 136 Gower Street, London, W.C.1.
*Arkiv. f. Mat. Astron. och Fysik, Stockholm	Arkiv för Matematik, Astronomi och Fysik. Almqvist och Wiksells Boktryckeri-A.B., Stockholm; and H. K. Lewis & Co., Ltd., 136 Gower Street, London, W.C.1.
*Assoc. Suisse Élect., Bull.	Association Suisse des Électriciens Bulletin. Secretariat Général de l'A.S.E. et de l'U.C.S. Seefeldstrasse 301, Zürich 8, Switzerland.
Astrophys. J.	The Astrophysical Journal. The University of Chicago Press, 5750 Ellis Avenue, Chicago, Illinois, U.S.A.
*ATM.....	Archiv für technisches Messen. R. Oldenbourg, Schliessfach 31, Munich 1, Germany.
Beitr. z. angew. Geophys.....	Beiträge zur angewandten Geophysik. Akademische Verlagsgesellschaft m.b.H., Sternwartenstrasse 8, Leipzig, C.1, Germany.
*Brit. J. of Radiology.....	The British Journal of Radiology. The British Institute of Radiology, 32 Welbeck Street, London, W.1.
Bull. Astronomique	Bulletin Astronomique. Gauthier-Villars et Cie, Quai des Grands-Augustins 55, Paris (6e).
Bull. géodésique	Bulletin géodésique. Organe de l'Association de Géodésie de l'Union Géodésique et Géophysique Internationale. 6, rue de la Sorbonne, Paris (5e).
*Bureau of Mines, Bull., Circ., Economic Papers and Techn. Papers	Publications of the Bureau of Mines. U.S. Department of Commerce, Superintendent of Documents, Government Printing Office, Washington, D.C., U.S.A.
*Bureau of Standards, J. of Research, *also* Circ. & Misc. Publ.	Publications of the National Bureau of Standards. Superintendent of Documents, Government Printing Office, Washington, D.C., U.S.A.
*Calcutta Math. Soc., Bull.	Bulletin of the Calcutta Mathematical Society. The Secretary, 92, Upper Circular Road, Calcutta, India; and Bowes & Bowes, 1 Trinity Street, Cambridge, England.
*Cambridge Phil. Soc., Proc.	Proceedings of the Cambridge Philosophical Society. Cambridge University Press, Bentley House, Euston Road, London, N.W.1.
*Canad. J. of Research	Canadian Journal of Research. National Research Council of Canada, Ottawa.
*Chem. Soc., J.	Journal of the Chemical Society. The Chemical Society, Burlington House, Piccadilly, London, W.1.
*Chem. Soc. Japan, Bull.	Bulletin of the Chemical Society of Japan. Faculty of Science, Imperial University of Tokyo, Japan.
Coast and Geodetic Survey, Special Publ.	Coast and Geodetic Survey, Special Publications. U.S. Department of Commerce, Superintendent of Documents, Government Printing Office, Washington, D.C., U.S.A.
*Comptes Rendus	Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences. Gauthier-Villars et Cie, Quai des Grands-Augustins 55, Paris (6e).

Abbreviations.	Full Title and Address.
*Comptes Rendus (Doklady) de l'Acad. des Sciences, U.R.S.S.	Comptes Rendus (Doklady) de l'Académie des Sciences de l'U.R.S.S. Meždunarodnaja Kniga 18, Kuznetskij Most, Moscow, U.S.S.R.; and W. H. Smith & Son, Ltd., Strand House, Portugal Street, London, W.C.2.
*Current Science	Current Science. B. N. Sastri, Indian Institute of Science, Hebbal P.O., Bangalore, India.
*Dept. Sci. & Indust. Research, Publ.	Publications of the Department of Scientific and Industrial Research. H.M. Stationery Office, York House, Kingsway, London, W.C.2.
Die Physik.	Die Physik. J. A. Barth, Salomonstrasse 18B, Leipzig, C.1, Germany.
Dominion Astrophys. Obs. Victoria, Publ.	Publications of the Dominion Astrophysical Observatory, Victoria. Victoria, B.C., Canada.
Dominion Observat. Ottawa Publ.	Publications of the Dominion Observatory, Ottawa. Department of Mines and Resources, Ottawa.
*Electrochem. Soc. Trans.	Transactions of the Electrochemical Society. Columbia University, New York.
*Engineer	The Engineer. W. Clowes & Sons, Ltd., Beccles, Suffolk, England.
*Engineering.....	Engineering. 18 and 20 Compton Road, Hayes, Middlesex, England.
Ergeb. d. exakt. Naturwiss.	Ergebnisse der exakten Naturwissenschaften. Hirschwaldsche Buchhandlung, Unter den Linden 60, Berlin, N.W.7.
*Faraday Soc., Trans.	Transactions of the Faraday Society. Gurney and Jackson, 98 Great Russell Street, London, W.C.1.
*Forsch. Ing. Wes.	Forschung auf dem Gebiete des Ingenieurwesens. Ausgabe B. VDI-Verlag, G.m.b.H., Berlin, N.W.7.
*Frank. Inst. J.	Journal of the Franklin Institute. The Franklin Institute of the State of Pennsylvania, Prince and Lemon Streets, Lancaster; and Parkway, Twentieth Street, Philadelphia, Pa., U.S.A.
*Gazz. Chim. Ital.	Gazzetta Chimica Italiana. Via Quattro Novembre 154, Rome.
Geofysiske Publ.	Geofysiske Publikasjoner. Direktor Th. Hesselberg, Det Norske Meteorologiske Institutt, Oslo.
*Geolog. Mag.	The Geological Magazine. Stephen Austin & Sons, Ltd., Fore Street, Hertford, Herts., England.
Gerlands Beitr. z. Geophys.	Gerlands Beiträge zur Geophysik. Akademische Verlagsgesellschaft m.b.H., Sternwartenstrasse 8, Leipzig, C.1, Germany.
Göttingen Nachrichten	Nachrichten von der Gesellschaft der Wissenschaften zu Göttingen. Vandenhoeck und Ruprecht, Göttingen, Germany.
Harvard Coll. Obs., Ann.	Annals of the Harvard College Observatory. The Observatory, Cambridge, Mass., U.S.A.
Harvard Coll. Obs., Bull.	Bulletin of the Harvard College Observatory. The Observatory, Cambridge, Mass, U.S.A.
Harvard Coll. Obs., Circ.	Circular of the Harvard College Observatory. The Observatory, Cambridge, Mass., U.S.A.
*Harvard Meteorolog. Studies	Harvard Meteorological Studies. Harvard University Press, Cambridge, Mass., U.S.A.; and The Oxford University Press, Amen House, Warwick Square, London, E.C.4.
*Helv. Phys. Acta	Helvetica Physica Acta. E. Birkhäuser et Cie, Bâle, Switzerland.

Abbreviations.	Full Title and Address.
*Hirosima Journ. Sci.	Journal of Science of the Hirosima University. Hirosima University, Hirosima, Japan.
*Hokkaido Imp. Univ., Eng. Mem.	Memoirs of the Faculty of Engineering. Hokkaido Imperial University, Sapporo, Japan.
*I.E.N.G.F.	Pubblicazioni dell' Istituto Elettrotecnico Nazionale Galileo Ferraris. Corso Massimo d'Azeglio 42, Torino (116), Italy.
*Illum. Eng. Soc. (London), Trans.	Transactions of the Illuminating Engineering Society. 32 Victoria Street, London, S.W.1.
*Illum. Engng., N.Y. (*formerly* Am. Illum. Eng. Soc., Trans.)	Illuminating Engineering. The Illuminating Engineering Society, Mt. Royal and Guilford Avenues, Baltimore, Maryland, U.S.A.
*Imp. Acad. Tokyo, Proc.	Proceedings of the Imperial Academy of Tokyo, Ueno Park, Tokyo.
*Imp. Marine Obs., Kobe, Japan, Mem.	Memoirs of the Imperial Marine Observatory. Kobe, Japan.
India Meteorolog. Dept., Mem.....	Memoirs of the India Meteorological Department. The Manager of Publications, Delhi.
India Meteorolog. Dept., Sci. Notes	Scientific Notes of the India Meteorological Department. The Manager of Publications, Delhi.
*Indian Acad. Sci., Proc.	Proceedings of The Indian Academy of Sciences. Hebbal, Bangalore, India.
*Indian Inst. of Science, J.....	Journal of The Indian Institute of Science. The Bangalore Press, Mysore Road, Bangalore City, India.
Indian Journ. Phys.	Indian Journal of Physics and Proceedings of the Indian Association for the Cultivation of Science. 210 Bowbazar Street, Calcutta, India.
*Indiana Univ., Publ. Science Series	Indiana University Publications, Science Series. Indiana University, Bloomington, Indiana, U.S.A.
*Indust. and Engin. Chem.	Industrial and Engineering Chemistry. The American Chemical Society, Charles L. Parsons, Mills Building, Washington, D.C., U.S.A.
*Indust. & Engin. Chem. (Analytical Edition)	Industrial & Engineering Chemistry (Analytical Edition). The American Chemical Society, Charles L Parsons, Mills Building, Washington, D.C., U.S.A.
*Inst. Civ. Eng., J. and Proc.	Journal and Proceedings of the Institution of Civil Engineers. Great George Street, Westminster, London, S.W.1.
*Inst. Divi Thomae, Studies	Studies of the Institution Divi Thomae. The Athenaeum of Ohio, Cincinnati, Ohio, U.S.A.
*Inst. Eng. & Shipbuilders, Trans.	Transactions of the Institution of Engineers and Shipbuilders in Scotland. Elmbank Crescent, Glasgow, Scotland.
*Inst. Mech. Eng., J. and Proc. ..	Journal and Proceedings of the Institution of Mechanical Engineers. Storey's Gate, St. James's Park, London, S.W.1.
*Inst. of Metals, J.	Journal of the Institute of Metals. Inglestone, 9 Woodfield Lane, Ashtead, Surrey, England.
*Inst. Naval Architects, Trans.....	Transactions of the Institution of Naval Architects. 10 Upper Belgrave Street, London, S.W.1.
*Inst. Phys. and Chem. Research, Tokyo, Sci. Papers	Scientific Papers of the Institute of Physical and Chemical Research. Komagome, Hongo, Tokyo.

Abbreviations.	Full Title and Address.
*Japanese Journ. Math.	Japanese Journal of Mathematics. The Secretary, National Research Council, Imperial Academy House, Ueno Park, Tokyo.
*Japanese Journ. Phys.	Japanese Journal of Physics. The Secretary, National Research Council, Imperial Academy House, Ueno Park, Tokyo.
*J. Cell. and Comp. Physiol.	The Journal of Cellular and Comparative Physiology. Wister Institute of Anatomy and Biology, Woodland Avenue and 36th Street, Philadelphia, Pa., U.S.A.
*J. Chem. Phys.	Journal of Chemical Physics. The American Institute of Physics, 175 Fifth Avenue, New York.
J. de Physique et le Radium	Journal de Physique et le Radium. 12 Place de Laborde, Paris (8e).
*J. de Radiologie et d'Électrologie	Journal de Radiologie et d'Électrologie. Masson et Cie, Libraires de l'Académie de Médecine, 120 Boulevard Saint-Germain, Paris.
*J. Gen. Physiol.	Journal of General Physiology. The Rockefeller Institute for Medical Research. Sixty-sixth Street and York Avenue, New York.
*J. Geol.	Journal of Geology. 419 West 117th Street, New York.
*J. Inst. auto. Engrs.	Journal of the Institution of Automobile Engineers. 12 Hobart Place, London, S.W.1.
*J. Inst. F.	Journal of the Institute of Fuel. 30 Bramham Gardens, London, S.W.5.
*J. Inst. Petroleum	Journal of the Institute of Petroleum. The University of Birmingham, Edgbaston, Birmingham 15, England.
*J. Math. Phys.	Journal of Mathematics and Physics. The Managing Editor, Massachusetts Institute of Technology, Cambridge, Mass., U.S.A.
*J. of Applied Mechanics	Journal of Applied Mechanics. The American Society of Mechanical Engineers, 29 West 39th Street, New York.
*J. of Applied Physics.	Journal of Applied Physics. The American Institute of Physics, 175 Fifth Avenue, New York.
J. of Physics, U.S.S.R.	Journal of Physics, U.S.S.R. Meždunarodnaja, Kniga 18, Kuznetskij Most, Moscow, U.S.S.R.
J.O.S.A.	Journal of the Optical Society of America. The American Institute of Physics, 175 Fifth Avenue, New York.
*J. Phys. Chem.	Journal of Physical Chemistry. Williams & Wilkins Co., Mt. Royal and Guilford Avenues, Baltimore, Maryland, U.S.A.; and Baillière, Tindall & Cox, 8 Henrietta Street, Covent Garden, London, W.C.2.
*J. Shanghai Sci. Inst.	Journal of the Shanghai Science Institute. 320 Route Ghisi, Shanghai, China.
*J. Techn. Physics, U.S.S.R.	Journal of Technical Physics, U.S.S.R. Meždunarodnaja Kniga 18, Kuznetskij Most, Moscow, U.S.S.R.
*Journ. Sci. Instruments	Journal of Scientific Instruments. The Institute of Physics, The University, Reading, Berks., England.
*K. Danske Vidensk. Selskab	Det Kgl. Danske Videnskabernes Selskab, Matematiskfysiske Maddelser. Ejnar Munksgaard, Nørregade 6, Copenhagen K.

Abbreviations.	Full Title and Address.
*K. Ned. Akad. Wet., Proc.	Proceedings of the Koninklijke Nederlandsche Akademie van Wetenschappen. N.V. Noord-Hollandsche Uitgeversmij, Amsterdam, Holland.
K. Onnes Lab., Leiden, Comm. ..	Communications of the Kamerlingh Onnes Laboratory of the University of Leiden. Leiden, Holland.
Kolloid-Beihefte.....	Kolloid-Beihefte. Theodor Steinkopff, Residenzstrasse 32, Dresden-Blasewitz, Germany.
Kolloid Zeits.....	Kolloid Zeitschrift. Theodor Steinkopff, Residenzstrasse 32, Dresden-Blasewitz, Germany.
*Kyoto Coll. Eng., Mem.	Memoirs of the College of Engineering, Kyoto Imperial University. Maruzen Co., Ltd., Tokyo.
*Kyoto Coll. Sci., Mem.	Memoirs of the College of Science, Kyoto Imperial University. Maruzen Co., Ltd., Tokyo.
*Kyushu Univ., Faculty of Eng., Mem.	Memoirs of the Faculty of Engineering, Kyushu Imperial University. Fukuoka, Japan.
*Leeds Philosoph. and Lit. Soc., Proc.	Proceedings of the Leeds Philosophical and Literary Society. Prof. R. Whiddington, The University, Leeds, England.
Lick Observat., Bull.....	Bulletin of the Lick Observatory. University of California, U.S.A.
*Light and Lighting	Light and Lighting. The Illuminating Engineering Society, 32 Victoria Street, London, S.W.1.
*Manchester Lit. and Phil. Soc., Mem.	Memoirs and Proceedings of the Manchester Literary and Philosophical Society. 36 George Street, Manchester, England.
*Math. Biophysics, Bull.	Bulletin of Mathematical Biophysics. N. Rashevsky, 5822 Drexel Avenue, Chicago, Illinois, U.S.A.
*Mechanical Engineering	Mechanical Engineering. The American Society of Mechanical Engineers, 29 West 39th Street, New York.
*Mém. Phys. Ukrainian S.S.R.....	Mémoires de Physique, U.S.S.R. Library of the Academy of Sciences of the Ukrainian S.S.R., Kyev, Korolenko Str. 58a, U.S.S.R.
Meteorolog. Office, Geophys. Mem. and Prof. Notes	Geophysical Memoirs and Professional Notes of the Meteorological Office. H.M. Stationery Office, York House, Kingsway, London, W.C.2.
*Mines Mag.....	Mines Magazine. F. J. Nagl, 734 Cooper Building, Denver, Colorado, U.S.A.
Monthly Weather Rev.	Monthly Weather Review. Superintendent of Documents, Government Printing Office, Washington, D.C., U.S.A.
*Nat. Acad. Sci., India, Proc.	Proceedings of the National Academy of Sciences, Allahabad, India.
*Nat. Acad. Sci., Proc.	Proceedings of the National Academy of Sciences. The Home Secretary, The National Academy of Sciences, Constitution Avenue and 21st Street, Washington, D.C., U.S.A.
*Nature	Nature. Macmillan & Co., Ltd., St. Martin's Street, London, W.C.2.
*Naturwiss.	Naturwissenschaften. J. Springer, Linkstrasse 22-24, Berlin, W.9.
N. Cimento	Il Nuovo Cimento. Organo della Società Italiana de Fisica. N. Zanichelli, Bologna, Italy.
Ned. T. Natuurk.	Nederlandsch Tijdschrift voor Natuurkunde. Martinus Nijhoff, 9 Lange Voorhout, The Hague.

Abbreviations.	Full Title and Address.
Observatory	Observatory. Taylor and Francis, Red Lion Court, Fleet Street, London, E.C.4.
*Phil. Mag.	The London, Edinburgh and Dublin Philosophical Magazine and Journal of Science. Taylor & Francis, Red Lion Court, Fleet Street, London, E.C.4.
*Phot. Indust.	Photographische Industrie. Union Deutsche Verlagsgesellschaft, Alexandrinenstrasse 108, Berlin, S.W.68.
*Phot. J.	The Photographic Journal. The General Editor, The Royal Photographic Society, 16 Prince's Gate, London, S.W.7.
Physica	Physica. Martinus Nijhoff, 9 Lange Voorhout, The Hague.
*Phys. Math. Soc. Japan, Proc.	Proceedings of the Physico-Mathematical Society of Japan. Faculty of Science, Tokyo Imperial University, Tokyo.
Phys. Rev.	The Physical Review. The American Institute of Physics, 175 Fifth Avenue, New York.
Phys. Soc., Proc.	Proceedings of the Physical Society. 1 Lowther Gardens, Exhibition Road, London, S.W.7.
Phys. Soc., Reports	Reports on Progress in Physics. The Physical Society, 1 Lowther Gardens, Exhibition Road, London, S.W.7.
Phys. Zeits.	Physikalische Zeitschrift. S. Hirzel, Königstrasse 2, Leipzig, C.1, Germany.
*Physical Oceanography & Meteorology, Papers	Papers in Physical Oceanography and Meteorology. The Massachusetts Institute of Technology and Woods Hole Oceanographic Institution, Cambridge and Woods Hole, Massachusetts, U.S.A.
*Pont. Acad. Sci., Acta and Comm.	Acta and Commentationes. Pontificia Academia Scientiarum, Città del Vaticano, Rome.
*Popular Astron.	Popular Astronomy. Carleton College, Northfield, Minnesota, U.S.A.
*Preuss. Akad. Wiss. Berlin, Abhandlungen	Abhandlungen der Preussischen Akademie der Wissenschaften. Walter de Gruyter & Co., 13 Woyrschstrasse, Berlin, W.10.
*Preuss. Akad. Wiss. Berlin, Ber.	Sitzungsberichte der Preussischen Akademie der Wissenschaften. Walter de Gruyter & Co., 13 Woyrschstrasse, Berlin, W.10.
*Radiography	Radiography. Journal of the Society of Radiographers, 32 Welbeck Street, London, W.1.
*Radiology	Radiology. The Secretary-Treasurer. The Radiological Society, 607, Medical Arts Building, Syracuse, New York, U.S.A.
Rev. d'Acoustique	Revue d'Acoustique. Les Presses Universitaires de France, 108 Boulevard Saint-Germain, Paris (6e).
Rev. de Mét.	Revue de Métallurgie. 5 Cité Pigalle, Paris (9e).
Rev. d'Optique	Revue d'Optique Théorique et Instrumentale. 3 & 5 Boulevard Pasteur, Paris (15e).
Rev. Modern Physics.	Reviews of Modern Physics. The American Institute of Physics, 175 Fifth Avenue, New York.
*Rev. Sci. Instruments	Review of Scientific Instruments. The American Institute of Physics, 175 Fifth Avenue, New York.
*Rev. sci., Paris	Revue scientifique (Revue Rose Illustrée). 12 Rue Vital, Paris XVIe.
*Ricerca Scientifica	La Ricerca Scientifica ed il progresso tecnico nell'economia nazionale. Consiglio Nazionale delle Richerche. Piazzale delle Science, Rome.

Abbreviations.	Full Title and Address.
*Ricerche di Ingegneria	Ricerche di Ingegneria. Sindacato Nazionale Fascista Ingegneri della Confederazione Professionisti ed Artisti. Via Toscana 5, Casella Postale 482, Rome (105).
Roy. Astron. Soc. Canada, J.	Journal of the Royal Astronomical Society of Canada. 198, College Street, Toronto, Canada.
Roy. Astron. Soc., Mem.	Memoirs of the Royal Astronomical Society. University Observatory, Oxford, England.
Roy. Astron. Soc., M.N.	Monthly Notices of the Royal Astronomical Society. University Observatory, Oxford, England.
Roy. Astron. Soc., M.N., Geophys. Supplement	Monthly Notices, Geophysical Supplement of The Royal Astronomical Society. University Observatory, Oxford, England.
Roy. Astron. Soc., Occasional Notes	Occasional Notes of the Royal Astronomical Society. University Observatory, Oxford, England.
Roy. Dublin Soc., Proc.	The Scientific Proceedings of the Royal Dublin Society. Ballsbridge, Dublin; and Williams & Norgate, 36 Great Russell Street, London, W.C.1.
*Roy. Inst., Proc.	Proceedings of the Royal Institution of Great Britain, 21 Albemarle Street, London, W.1.
*Roy. Irish Acad., Proc.....	Proceedings of the Royal Irish Academy. Hodges, Figgis & Co., Dublin; and Williams & Norgate, 36 Great Russell Street, London, W.C.1.
Roy. Meteorolog. Soc., J.	Quarterly Journal of the Royal Meteorological Society. The Royal Meteorological Society, 49 Cromwell Road, South Kensington, London, S.W.7.
Roy. Meteorolog. Soc., Mem.	Memoirs of the Royal Meteorological Society. The Royal Meteorological Society, 49 Cromwell Road, South Kensington, London, S.W.7.
*Roy. Soc. Arts, J.	Journal of the Royal Society of Arts. G. Bell & Sons, Ltd., York House, Portugal Street, London, W.C.2.
*Roy. Soc. Canada, Trans.....	Transactions of the Royal Society of Canada. Ottawa.
*Roy. Soc. Edinburgh, Proc.	Proceedings of the Royal Society of Edinburgh. Robert Grant & Son, 126 Princes Street, Edinburgh; and Williams & Norgate, Ltd., 36 Great Russell Street, London, W.C.1.
*Roy. Soc. Edinburgh, Trans.	Transactions of the Royal Society of Edinburgh. Robert Grant & Son, 126 Princes Street, Edinburgh; and Williams & Norgate, Ltd., 36 Great Russell Street, London, W.C.1.
*Roy. Soc. N.S. Wales, J. & Proc. ..	Journal and Proceedings of the Royal Society of New South Wales. Science House, Gloucester and Essex Streets, Sydney, Australia.
Roy. Soc., Phil. Trans.	Philosophical Transactions of the Royal Society of London. Cambridge University Press, Bentley House, Euston Road, London, N.W.1.
Roy. Soc., Proc. (A and B)	Proceedings of the Royal Society of London. Cambridge University Press, Bentley House, Euston Road, London, N.W.1.
*Roy. Soc. S. Africa, Trans.	Transactions of the Royal Society of South Africa. Capetown.
*Roy. Soc. Victoria, Proc.	Proceedings of the Royal Society of Victoria. Victoria Street, Melbourne, C.1, Australia.

Abbreviations.	Full Title and Address.
*Roy. Techn. Coll., Glasgow, J. ..	Journal of the Royal Technical College, Glasgow. Robert Anderson and Sons, 142 West Nile Street, Glasgow, C.1.
*Ryojun Coll. Eng., Mem.	Memoirs of the Ryojun College of Engineering. The Chairman of the Publication Committee, Ryojun College of Engineering, Port Arthur, South Manchuria.
*S. Wales Inst. Eng., Proc.	Proceedings of the South Wales Institute of Engineering. Park Place, Cardiff, England.
*Science	Science. The Science Press, Grand Central Terminal, New York.
*Science and Culture	Science and Culture. University College of Science, 92, Upper Circular Road, Calcutta, India.
Seismological Soc. of America, Bull.	Bulletin of the Seismological Society of America. The University of California Press, Berkeley, California, U.S.A.
*Soc. Glass Technol., J.	Journal of the Society of Glass Technology. "Elmfield," Northumberland Road, Sheffield 10, England.
Soc. Roumaine de Physique, Bull.	Bulletin de la Société Roumaine de Physique. Laboratoire d'Acoustique et Optique, Str. R. Poincaré 14, Bucarest.
*Soc. Scien. Fennica, Acta et Comm. Phys.-Math.	Societas Scientiarum Fennica, Acta et Commentationes Physico-Mathematicae. Druckerei- A.G. der Finnischen Literaturgesellschaft, Helsingfors, Finland.
Solar Phys. Obs., Cambridge, Ann.	Annals of the Solar Physics Observatory, Cambridge. The Cambridge University Press, Bentley House, Euston Road, London, N.W.1.
Stockholms Obs. Ann.	Stockholms Observatoriums Annaler. Almquist och Wiksells Boktryckeri-A-B. Stockholm; and H. K. Lewis & Co., Ltd., 136 Gower Street, London, W.C.1.
Terr. Mag.	Terrestrial Magnetism and Atmospheric Electricity. The Johns Hopkins Press, Baltimore, Maryland, U.S.A.
*Tijds. Nederland Radiogenootschap	Tijdschrift van het Nederlandsch Radiogenootschap. Oude Utrechtscheweg 8, Baarn, Holland.
*Tohoku Math. J.	The Tohoku Mathematical Journal. Maruzen Co., Ltd., Sendai, Japan.
*Tohoku Univ., Sci. & Technol. Reports	Scientific and Technology Reports of the Tohoku Imperial University. Maruzen Co., Ltd., Sendai, Japan.
*Tokyo B.D., Sci. Reports.	Science Reports of the Tokyo Bunrika Daigaku, Section A. Bunrika Daigaku, Koishikawa, Tokyo, and the Maruzen Co., Ltd., Tokyo.
*Tokyo Univ. Aeronaut. Research Inst., Report	Report of the Aeronautical Research Institute. Tokyo Imperial University, Komaba, Tokyo.
Tokyo Univ. Earthquake Research Inst., Bull.	Bulletin of the Earthquake Research Institute. Tokyo Imperial University, Komaba, Tokyo.
*Tokyo Univ., Faculty of Eng., J...	Journal of the Faculty of Engineering, Tokyo Imperial University. Maruzen Co., Ltd., Tokyo.
*Tokyo Univ., Faculty of Sci., J...	Journal of the Faculty of Science, Tokyo Imperial University. Maruzen Co., Ltd., Tokyo.
Union Géodésique et Géophysique Internationale, Assoc. d'Oceanographie Physique, Publ. Scientifique	Publications Scientifique de l'Union Géodésique et Géophysique Internationale. Association d'Oceanographie Physique. The University, Liverpool 3, England.

Abbreviations.	Full Title and Address.
*Univ. Durham Phil. Soc., Proc. ..	Proceedings of the University of Durham Philosophical Society. E. Patterson, Asst. Librarian, King's College, Newcastle upon Tyne, England.
*Univ. Nac. La Plata, Publ.	Universidad Nacional de La Plata. Publicaciones de la Facultad de Ciencias Fisico-matemáticas, La Plata, Argentine.
*Univ. of Illinois Eng. Exp. Sta., Bull., Circ. and Reprint Series	Bulletin, Circulars and Reprint Series of the University of Illinois Engineering Experiment Station. University of Illinois, Urbana, Illinois, U.S.A.
*Univ. Tartuensis (Dorpatensis), Acta et Comm.	Acta et Commentationes Universitatis Tartuensis (Dorpatensis), Tartu, Esthonia.
*VDI	Zeitschrift des Vereines Deutscher Ingenieure. VDI-Verlag, G.m.b.H., Dorotheenstrasse 40, Berlin, N.W.7.
*Washington Acad. Sci., J.	Journal of the Washington Academy of Sciences, 450 Ahnaip Street, Menasha, Wis., U.S.A.
*Zeits. f. angew. Math. u. Mechanik.	Zeitschrift für angewandte Mathematik und Mechanik. Ingenieurwissenschaftliche Forschungsarbeiten. VDI-Verlag, G.m.b.H., Dorotheenstrasse 40, Berlin, N.W.7.
Zeits. f. Astrophysik	Zeitschrift für Astrophysik. J. Springer, Linkstrasse 22-24, Berlin, W.9.
*Zeits. f. Elektrochem.	Zeitschrift für Elektrochemie und angewandte physikalische Chemie. Verlag Chemie, G.m.b.H., Corneliusstrasse 3, Berlin, W.35.
*Zeits. f. Instrumentenk.	Zeitschrift für Instrumentenkunde. J. Springer, Linkstrasse 22-24, Berlin, W.9.
Zeits. f. Krist.....	Zeitschrift für Kristallographie, Kristallgeometrie, Kristallphysik, Kristallchemie. Akademische Verlagsgesellschaft m.b.H., Sternwartenstrasse 8, Leipzig, C.1, Germany.
*Zeits. f. Metallkunde	Zeitschrift für Metallkunde. VDI-Verlag, G.m.b.H., Dorotheenstrasse 40, Berlin, N.W.7.
*Zeits. f. phys. Chem., Abt. A. & B.	Zeitschrift für physikalische Chemie (Abteilungen A und B). Akademische Verlagsgesellschaft m.b.H., Sternwartenstrasse 8, Leipzig, C.1, Germany.
Zeits. f. Physik	Zeitschrift für Physik. J. Springer, Linkstrasse 22-24, Berlin, W.9.
*Zeits. f. techn. Physik.	Zeitschrift für technische Physik. J. A. Barth, Salomonstrasse 18B, Leipzig, C.1, Germany.
*Zeits. f. wiss. Phot.	Zeitschrift für wissenschaftliche Photographie, Photophysik und Photochemie. J. A. Barth, Salomonstrasse 18B, Leipzig, C.1, Germany.

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SECTION A.—PHYSICS

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